

11/22/94

Re: PA Petition - Environmental Recovery
Centers

Janice - Prepare a response
to this petition acknowledging
receipt. Indicate in your
response what we plan to
do next. Since the petition is
dated Oct 11, '94, I would
like to have a response go
out as soon as possible.

Mario

* Do it for my signature.

Experts To Test U.Ga. Toxic Waste Site

By RUFUS ADAIR
Staff Writer

The first phase of a detailed testing of the University of Georgia's former chemical disposal site near the Botanical Garden will begin next month.

Through earlier monitoring, the university's environmental safety and hazardous materials officials already know there has been some leakage at the site, although the full extent is not known.

"I would say it is a significant release to the environment, but it doesn't pose a significant threat to humans because of its location," said Warren Safter, assistant director of the university's division of public safety.

Two-foot-wide trenches approximately 10-12 feet deep were used to dispose of laboratory chemicals at the site from the late 1960s to the late 1970s. The choice of the half-acre site, approximately 225 feet by 100 feet, had been coordinated through the state's Environmental Protection Division and was considered to be state-of-the-art at the time.

As best as can be determined now, Safter said disposal methods at the time included the use of glass, metal and plastic containers (including plastic milk jugs), "and we know some was just poured in."

However, standards have changed considerably since the passage of the federal Resource Conservation and Recovery Act of 1979. What was considered safe 15 years ago now is subject to closer scrutiny, in many cases approaching drinking-water standards.

Much stricter record-keeping and a cradle-to-grave legal responsibility are other major consequences of the act, and next month's "initial assessment" of U.Ga.'s former disposal site also was triggered by the act.

The "initial assessment" phase will be carried out by the Atlanta office of a national environmental engineering firm, Brown and Caldwell,

for \$180,000.

The firm's work will consist of drilling seven pairs of monitoring wells going out as far as 500 feet from the site and studying the groundwater flow, land structure, and soil gas nearby. An initial report is due in 150 days, or about mid-September. A "subsequent assessment" would be required if the wells farthest away from the site do not come up "clean."

"Probably if everything goes well, it'll be about this time next year" when the university will know what, if any, remedies will be required, Safter said.

One common remedy is the construction of underground walls and a cap around the site to prevent groundwater from entering. A more drastic solution would be to dig up the entire site and remove it to an approved disposal site - a process that could cost in the neighborhood of \$3 million if the new site would accept "mixed wastes."

From the beginning of use at the site, there were monitoring wells, which today are nothing more than specially-coated, 2-inch casings bored down to points above, at, and beneath the water table to collect water samples. At the Botanical Garden/Poultry Research site, this means going down about 30 feet.

Much of the detailed knowledge of the leakage came from construction of four new monitoring wells in January 1986 about 3 or 4 feet from the site boundaries.

That study detected the presence of more than 20 chemicals, one pesticide, and traces of tritium.

Some of the chemicals detected in the water samples included benzene (15,000 parts per billion); chloroform (40,000 parts per billion); methylene

chloride (28,000 parts per billion); toluene (6,900 parts per billion); xylene (1,100 parts per billion); plus more exotic chemicals like 1,1,2,2-tetrachloroethene (1,700 parts per billion). The detected pesticide was aldrin, at 5,700 parts per billion.

"You've got to realize the values are somewhat misleading," said Safter, noting that some of the smaller amounts may be more toxic and vice versa.

The sampling also tested for metals and low-level radiation, which showed up virtually indistinguishable from normal background except for the measurable amounts of tritium.

"At this point, we are looking at hazards to the environment. These numbers would not indicate any danger to humans," Safter said. "A lot of standards have not even been developed yet, at least not for Georgia. Florida has set a lot; they are very sensitive about their groundwater supply."

Nonetheless, today's workers do not know exactly what was put in the dump, nor exactly how much. Nor is there a map of the site showing what was buried where.

The university currently tries to neutralize as many acids and bases as possible, and it ships hazardous materials to a Chemwaste Corp. disposal site in Alabama. Because of the cradle-to-grave legal responsibility of the generator of hazardous wastes, the university has shifted toward an incineration policy in the past two years, and uses an Ensco Corp. incinerator in Arkansas when possible, Safter said.

If all the university's laboratory wastes could be mixed together, they would amount to between 20-25 55-gallon drums a year, he estimated.

*This site is being
handled by state
EPD Haz Waste Program
4/24/89*

ATHENS BANNER HERALD

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ATHENS, GEORGIA 30613, TUESDAY, MARCH 28, 1989

TWENTY-FIVE CENTS

REGION: 04
STATE : GA

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 370
RUN DATE: 01/30/87
RUN TIME: 08:18:49

M.2 - SITE MAINTENANCE FORM

EPA ID : GAD073460941		* ACTION: _	*		
SITE NAME: UNIVERSITY OF GEORGIA	SOURCE: H	* _____	*		
STREET : WILL HUNTER RD	CONG DIST: 10	* _____	*		
CITY : ATHENS	ZIP: 30602	* _____	*		
CNTY NAME: CLARKE	CNTY CODE : 059	* _____	*		
LATITUDE : 33/54/38.0	LONGITUDE : 083/23/25.0	* _/_/_	*		
LL-SOURCE: R	LL-ACCURACY:	* _	*		
SMSA : 0500	HYDRO UNIT: 03070101	* _____	*		
INVENTORY IND: Y	REMEDIAL IND: Y	REMOVAL IND: N	FED FAC IND: N	* _ _ _ _	*
NPL IND: N	NPL LISTING DATE:	NPL DELISTING DATE:	* _ _/_/_	*	
SITE/SPILL IDS:		* _ _ _ _	*		
RPM NAME: RAY WILKERSON	RPM PHONE: 404-347-2234	* _____	*		
SITE CLASSIFICATION:	SITE APPROACH:	* _	*		
DIOXIN TIER:	REG FLD1:	REG FLD2: 1	* _ _	*	
RESP TERM: PENDING ()	NO FURTHER ACTION ()	* PENDING (_)	NO FURTHER ACTION (_)	*	
ENF DISP: NO VIABLE RESP PARTY ()	VOLUNTARY RESPONSE ()	* _ _	*		
ENFORCED RESPONSE ()	COST RECOVERY ()	* _ _	*		
SITE DESCRIPTION:		* _____	*		
		* _____	*		
		* _____	*		
		* _____	*		

REGION: 04
STATE : GA

U.S. ENVIRONMENTAL PROTECTION AGENCY
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C E R C L I S V 1.2

PAGE: 371
RUN DATE: 01/30/87
RUN TIME: 08:18:49

M.2 - PROGRAM MAINTENANCE FORM

SITE: UNIVERSITY OF GEORGIA

EPA ID: GAD073460941 PROGRAM CODE: H01 PROGRAM TYPE:

PROGRAM QUALIFIER: ALIAS LINK :

PROGRAM NAME: SITE EVALUATION

DESCRIPTION:

* ACTION: _

* _ *

* _ *

* _ *

* _ *

* _ *

* _ *

* _ *

* _ *

REGION: 04
STATE : GA

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 372
RUN DATE: 01/30/87
RUN TIME: 08:18:49

M.2 - EVENT MAINTENANCE FORM

SITE: UNIVERSITY OF GEORGIA
PROGRAM: SITE EVALUATION

EPA ID: GAD073460941 PROGRAM CODE: H01

EVENT TYPE: DS1

FMS CODE: EVENT QUALIFIER :

EVENT LEAD: E

EVENT NAME: DISCOVERY

STATUS:

DESCRIPTION:

* ACTION: _

ORIGINAL

CURRENT

ACTUAL

START:

START:

START:

COMP :

COMP :

COMP : 07/01/80

HQ COMMENT:

RG COMMENT:

COOP AGR #

AMENDMENT #

STATUS

STATE %

0

REGION: 04
STATE : GA

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OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 373
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M.2 - EVENT MAINTENANCE FORM

* ACTION: _

SITE: UNIVERSITY OF GEORGIA
PROGRAM: SITE EVALUATION

EPA ID: GAD073460941 PROGRAM CODE: H01

EVENT TYPE: PA1

FMS CODE: EVENT QUALIFIER :

EVENT LEAD: S

EVENT NAME: PRELIMINARY ASSESSMENT

STATUS:

DESCRIPTION:

* _ _ _ _ _
* _ _ _ _ _
* _ _ _ _ _
* _ _ _ _ _
* _ _ _ _ _

ORIGINAL

CURRENT

ACTUAL

START:

START:

START: 09/17/85

* _/_/_ _/_/_ _/_/_ *

COMP :

COMP :

COMP : 09/17/85

* _/_/_ _/_/_ _/_/_ *

HQ COMMENT:

* _ _ _ _ _

RG COMMENT:

* _ _ _ _ _

COOP AGR #

AMENDMENT #

STATUS

STATE %

0

* _ _ _ _ _

REGION: 04
STATE : GA

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
C E R C L I S V 1.2

PAGE: 374
RUN DATE: 01/30/87
RUN TIME: 08:18:49

M.2 - COMMENT MAINTENANCE FORM

SITE: UNIVERSITY OF GEORGIA

EPA ID: GAD073460941

COM
NO COMMENT

001 PART A- ON FILE

ACTION

* - _____ *

* _____ *

#27261

UNIVERSITY OF GEORGIA
GAD073460941
PRELIMINARY ASSESSMENT COVER SHEET

This facility is a Treatment/Storage/Disposal (TSD) facility that is regulated by the Georgia Environmental Protection Division under the authority of the Georgia Hazardous Waste Management Act (GHWMA). This facility presently has either Interim Status (Part A on file) or has a Hazardous Waste Facility Permit (Part B is complete). Any releases of hazardous wastes at this facility are regulated as a "prior release" under GHWMA and all corrective actions will be negotiated through the Part B Permit review process. This site is therefore assessed a "NONE" priority for a Site Inspection. No further investigations are recommended with respect to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

PMA/mcw008

Part B Permit status - present
1/24/87



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D073460941

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

University of Georgia

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

Public Safety Building

03 CITY

Athens

04 STATE

05 ZIP CODE

06 COUNTY

GA

30602

Clarke

07 COUNTY CODE

59

08 CONG DIST

10

09 COORDINATES LATITUDE

33° 54' 38.0"

LONGITUDE

083° 23' 25.0"

10 DIRECTIONS TO SITE (Starting from nearest public road)

From Athens, go south on Milledge Ave. to intersection of US 29, continue for 1 mile, turn right onto Botanical Gardens Access Rd. From Gardens, 1/2 mi. on unpaved road to landfill.

III. RESPONSIBLE PARTIES

01 OWNER (If known)

State of Georgia

02 STREET (Business, mailing, residential)

224 Washington Street, SW

03 CITY

Atlanta

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

GA

30334

(404) 656-2202

07 OPERATOR (If known and different from owner)

Same

08 STREET (Business, mailing, residential)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

13 TYPE OF OWNERSHIP (Check one)

☐ A. PRIVATE ☐ B. FEDERAL:

(Agency name)

☒ C. STATE

☐ D. COUNTY

☐ E. MUNICIPAL

☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: / /

☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: / /

☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES

DATE

/ /

☐ NO

MONTH DAY YEAR

BY (Check all that apply)

☐ A. EPA

☐ B. EPA CONTRACTOR

☒ C. STATE

☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL

☐ F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☐ A. ACTIVE

☒ B. INACTIVE

☐ C. UNKNOWN

03 YEARS OF OPERATION

1973

1976

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Botanical Gardens Burial site was used for disposing 500 gal. of unknown material. The unknowns most likely were: solvents, pesticides, acids, bases, heavy metals and radioactive materials.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

The containers are deteriorating and the waste may be contaminating the groundwater. This facility is regulated under the Georgia Hazardous Waste Management Act.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on time available basis)

☒ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

Warren Safter

02 OF (Agency/Organization)

Public Safety Div.-Univ. of Georgia

03 TELEPHONE NUMBER

(404) 241-5801

04 PERSON RESPONSIBLE FOR ASSESSMENT

Don McHugh

05 AGENCY

DNR

06 ORGANIZATION

EPD-FCU

07 TELEPHONE NUMBER

(404) 656-7802

08 DATE

06 27 85

J. Lawrence

[illegible]

EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D073460941

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: _____
(Acres)

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

GA D073460941

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff, standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

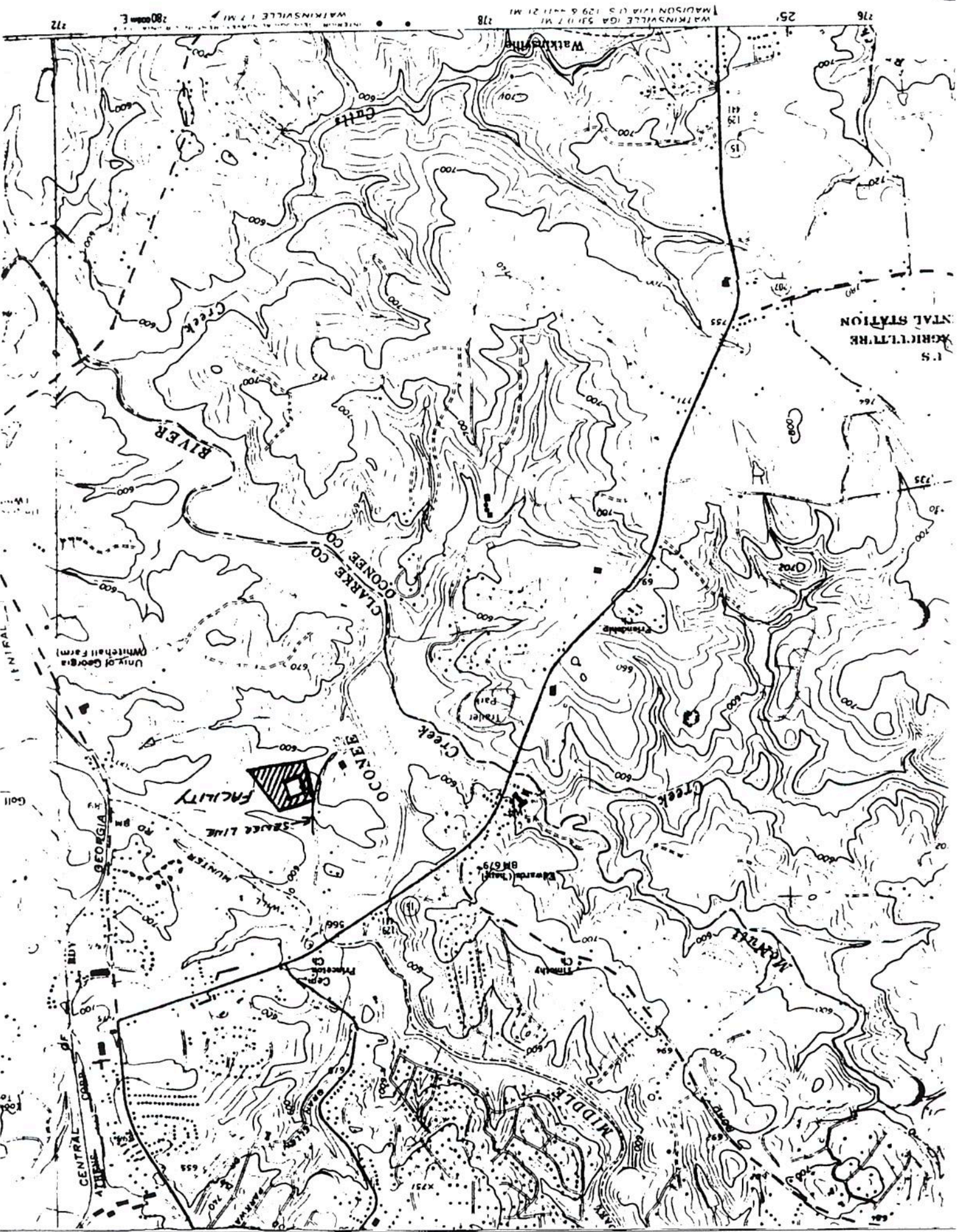
☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)



U.S. AGRICULTURE
NATL STATION

SAVANNAH RIVER

Cotton Creek

Oconee River

Little Oconee Creek

Middle Oconee Creek

Waynesboro

Oconee County Jail

Oconee County Courthouse

Oconee County Sheriff's Office

SAVANNAH RIVER

SAVANNAH RIVER

SAVANNAH RIVER

SAVANNAH RIVER

SAVANNAH RIVER

SAVANNAH RIVER

Jim Havery

656 2833

Green Glass

3/27/87

- Gail Middlebrooks (879416)

Told me I need to write a note to her recommending KY's extension - I did

She also said we had not received the money from EPA HQ but KY would get the money as soon as we receive it.

3/27/87

- Barry Burrus (KY)

Told him what Gail Middlebrooks told me.

3/27/87

Satter

- Warren Satter (404/542-0002)

U. of Ga. (GAD 073 460 901)

U. of Ga. has a land disposal area where they buried waste from only their Chemistry Dept. They have no records of exactly what went into the landfill - however they know there was ~700 gals. of it. Monitoring wells around the landfill show releases of Ethylene chloride, toluene, & xylene. The landfill stopped accepting waste in the early '70s. Their Chemistry Dept. has a RCRA interim status permit. - They want to know what they should do about this landfill. - Are they (the landfill) a RCRA fac.?

covered in section 10
the corrective action
of the Part 19

out what
id. of on Green
PS package
(sec.)
the KY CA extension
(just #s) by
I had rec'd them (700)
is sent the original
workplan to Jack Riven
ld be here (EPA) by

938-7710
to the NUS
which will be
ys Inn Cont. Rm.,
3:30-4:30
(x3004)
ter from Lexington, KY
mation on
Property Transformer
ook Road Transformer
n that because
S. on the prelim. HRS
to again until after the
He will talk to the reporter.